

Figure 1A

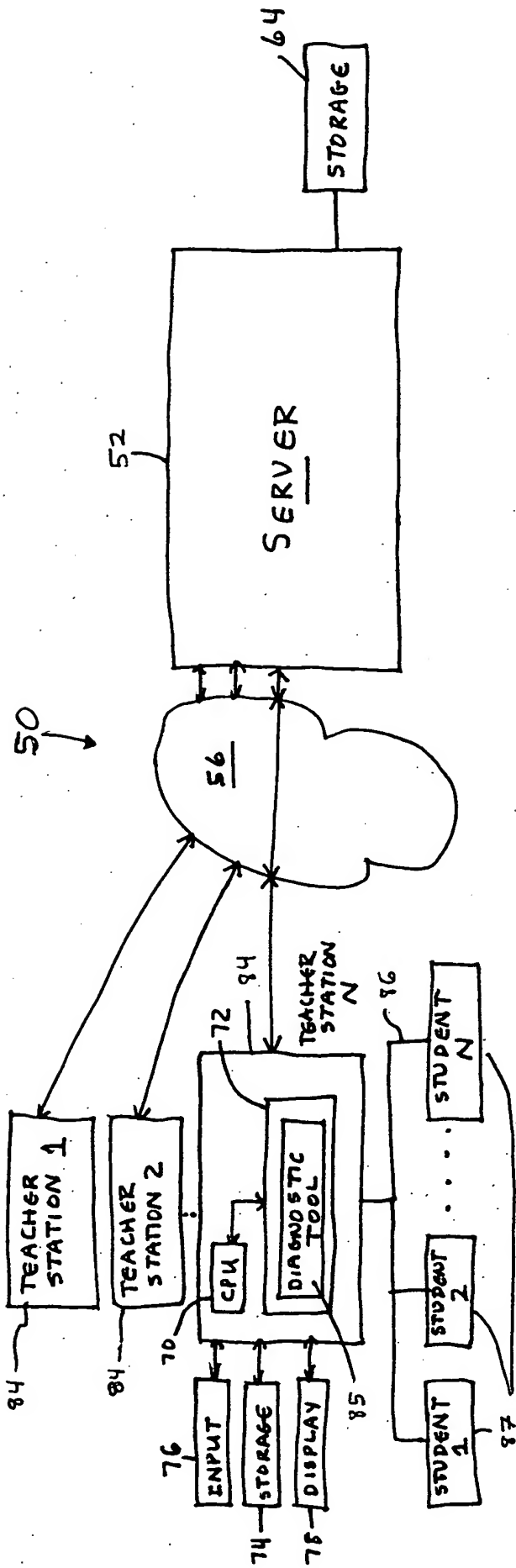


FIGURE 1B

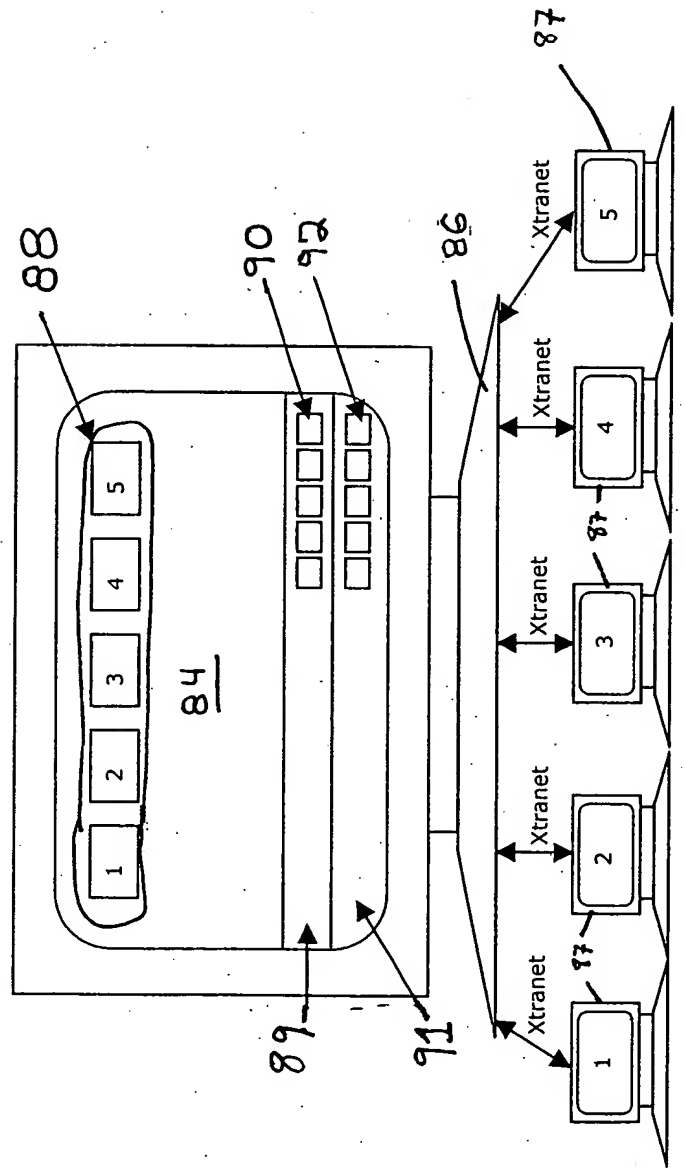


FIGURE 1C

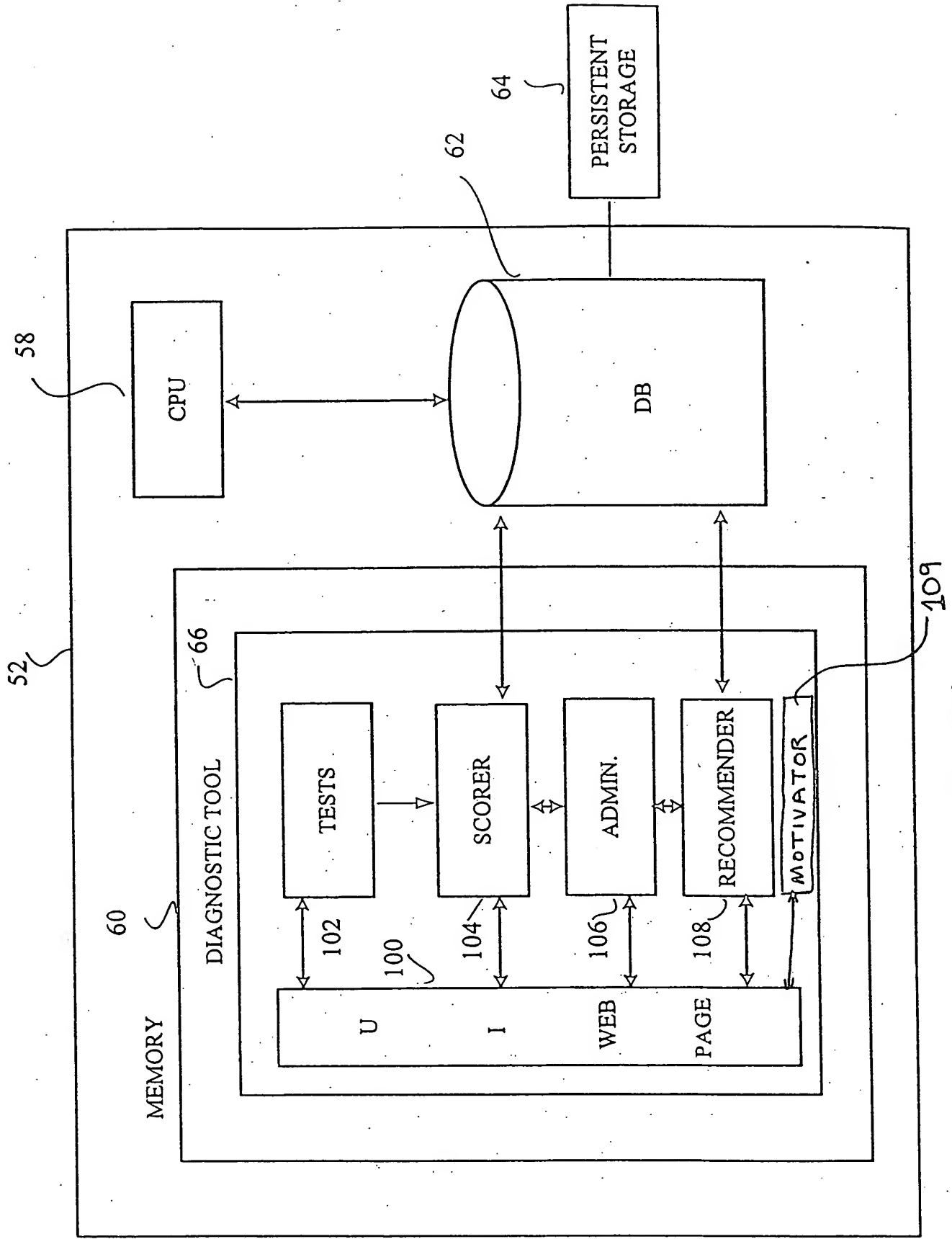


Figure 2

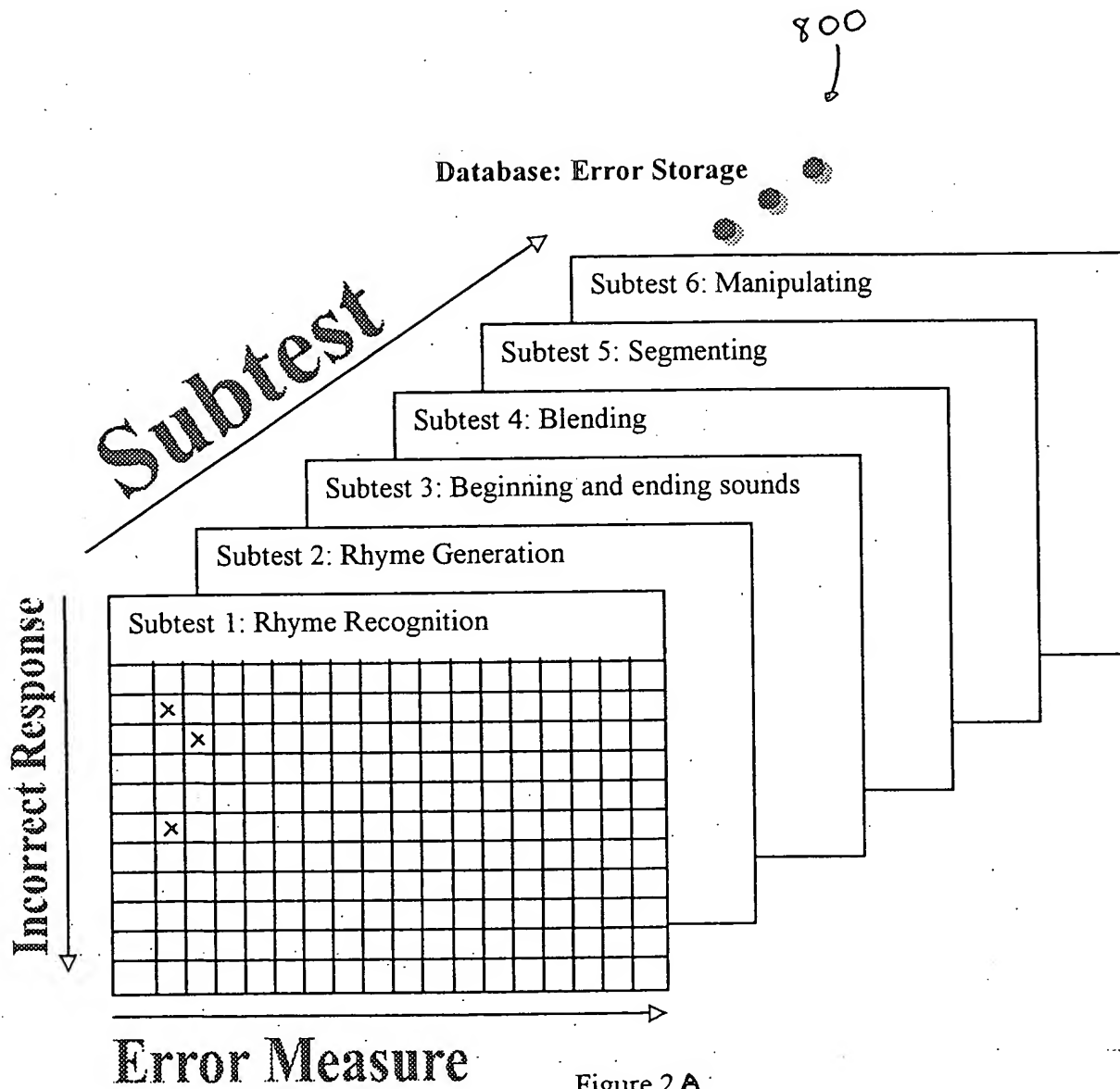
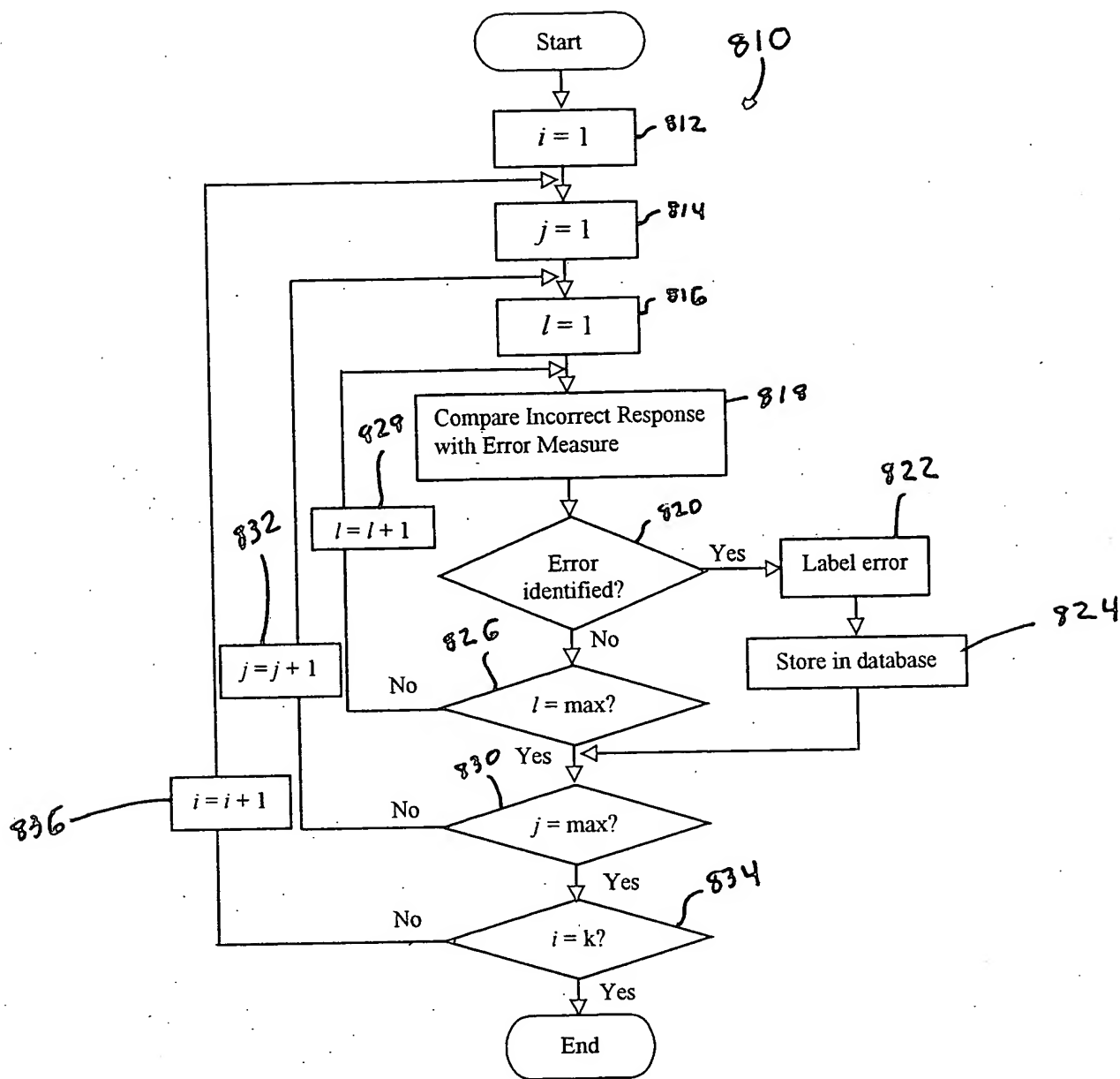


Figure 2 A



(ST)<sub>i</sub>: Subtest;  $i = 1 \dots k$

(IR)<sub>ij</sub>: Incorrect Response;  $ij = 1.1, 1.2, \dots, 1.\text{max.}, \dots, k.1, k.2, \dots, k.\text{max.}$  ( $j = 1 \dots \text{max.}$ )

(EM)<sub>il</sub>: Error Measure;  $il = 1.1, 1.2, \dots, 1.\text{max.}, \dots, k.1, k.2, \dots, k.\text{max.}$  ( $l = 1 \dots \text{max.}$   
 Note: max. for  $l$  is different from max. for  $j$ .)

Figure 2B

# IF-THEN Rule Bases

Subtest	Error Measure									
1. Rhyme Recognition	(1)		(2)		(3)		(4)	...		$\eta_1$
2. Rhyme Generation	(1)		(2)		(3)		(4)	...		$\eta_2$
3. Beginning and Ending Sounds	(1)		(2)	Rule 2	(3)		(4)	...		$\eta_3$
4. Blending	(1)		(2)		(3)		(4)	...		$\eta_4$
5. Segmenting	(1)		(2)		(3)		(4)	...		$\eta_5$
6. Manipulating	(1)		(2)		(3)		(4)	...		$\eta_6$
7. Recalling in Sequential Order	(1)		(2)		(3)		(4)	...		$\eta_7$
8. Rapid Naming	(1)		(2)		(3)		(4)	...		$\eta_8$
9. Letter Names and Sound	(1)		(2)		(3)		(4)	...		$\eta_9$
10. Decoding	(1)		(2)		(3)		(4)	...		$\eta_{10}$
11. Fluent Reading	(1)		(2)		(3)		(4)	...		$\eta_{11}$

FIGURE 2C

Subtest	Error Measure ID	Error Measure
3. Beginning and Ending Sounds	2	Do not recognize /f/ when it is at the end following an /i/ sound
4. Blending	3	Can not blend when /f/ is at the end following an /e/ sound
5. Segmenting	4	Do not count /f/ when it is at the end following an /a/ sound
6. Manipulating	4	Can not replace /f/ with /v/ when it is at the end following an /e/ sound
7. Recalling in Sequential Order	3	Do not recall /f/ when it is at the end following another consonant.
9. Letter Names and Sound	4	Can not recognize /f/ sound when it is isolated
10. Decoding	2	Cannot recognize the nonsense word when the word ends with a /f/ sound which follows another consonant

FIGURE 2D

## DIAGNOSTIC TOOL

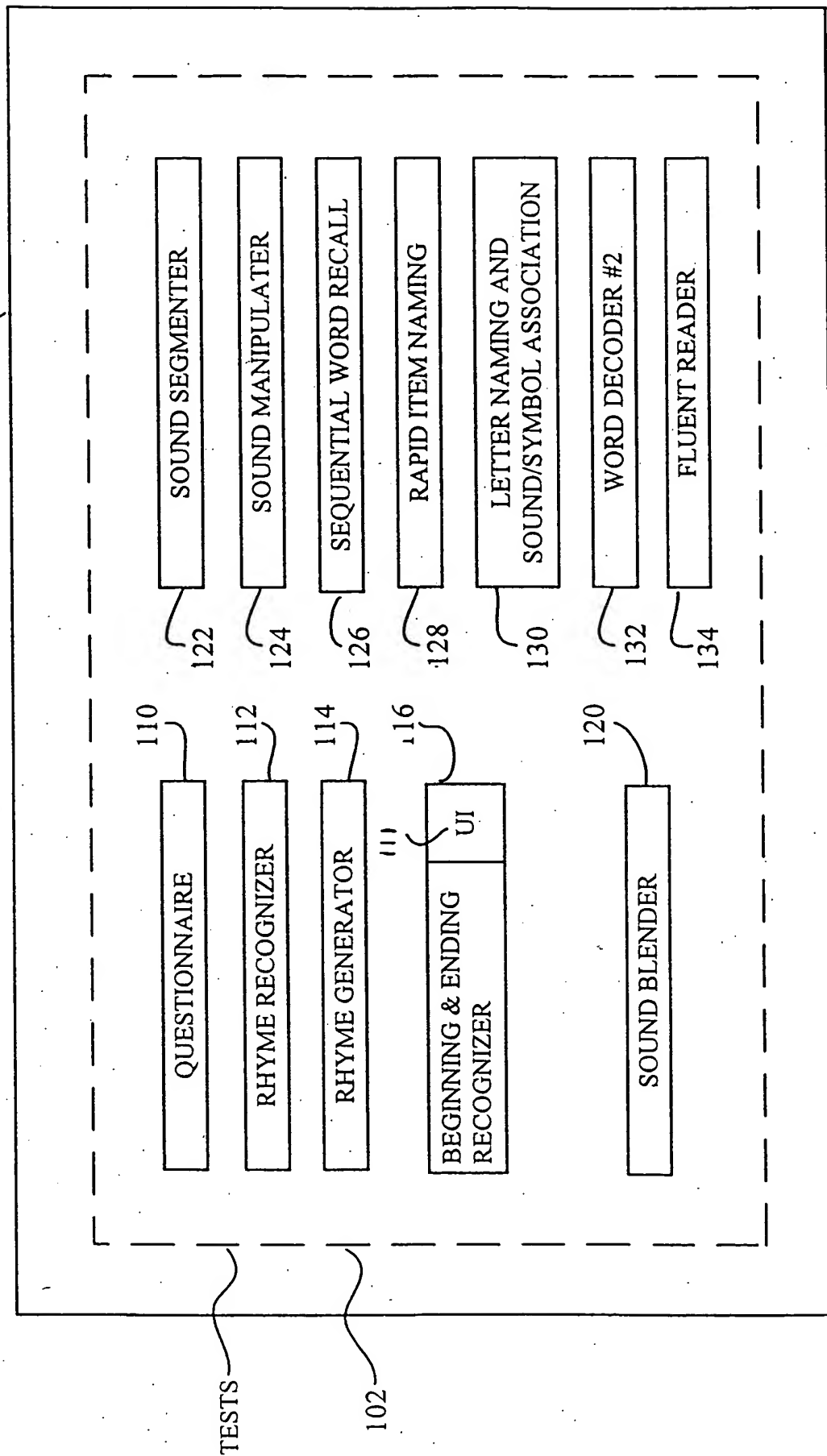


Figure 3



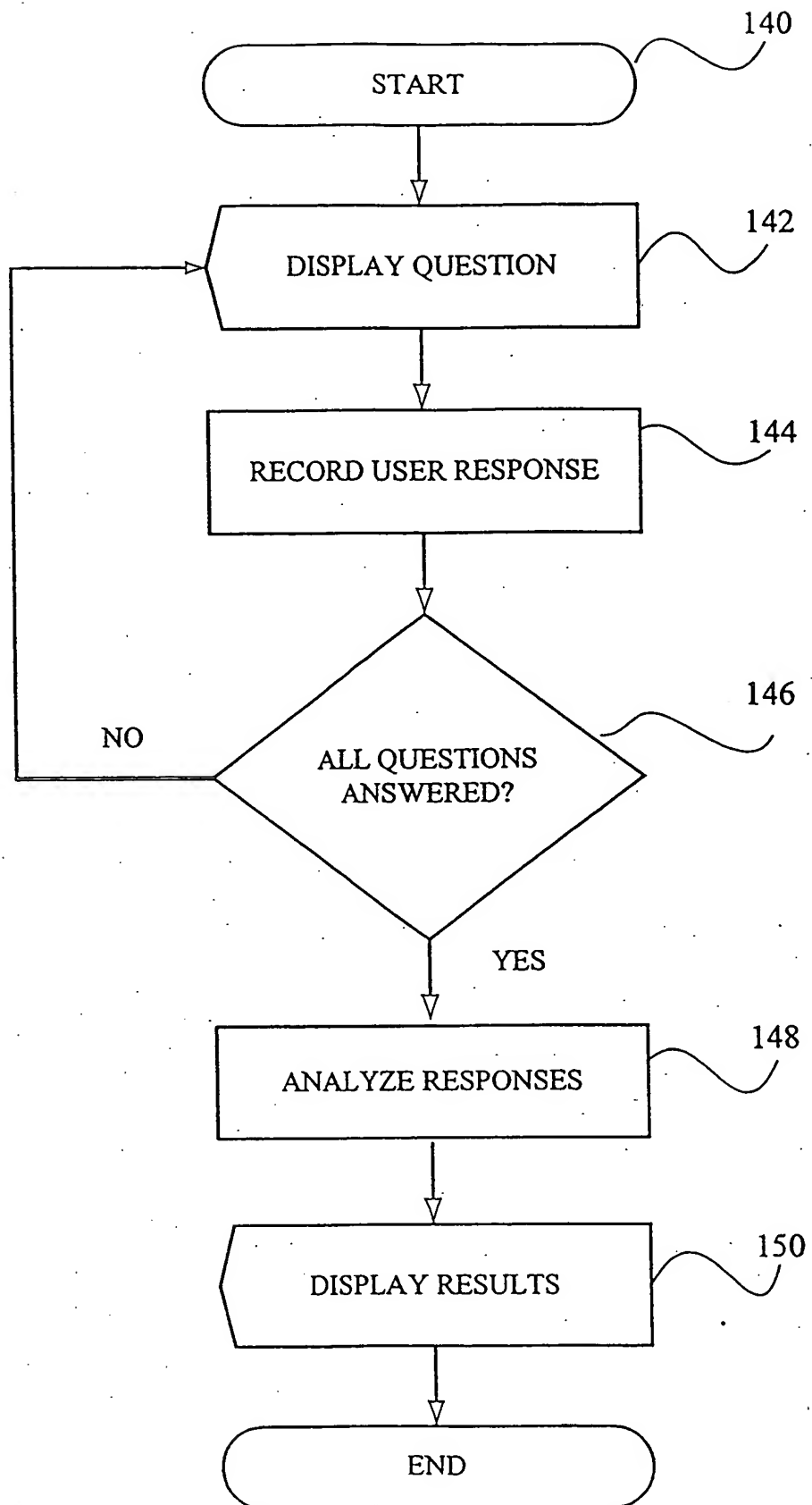


Figure 4

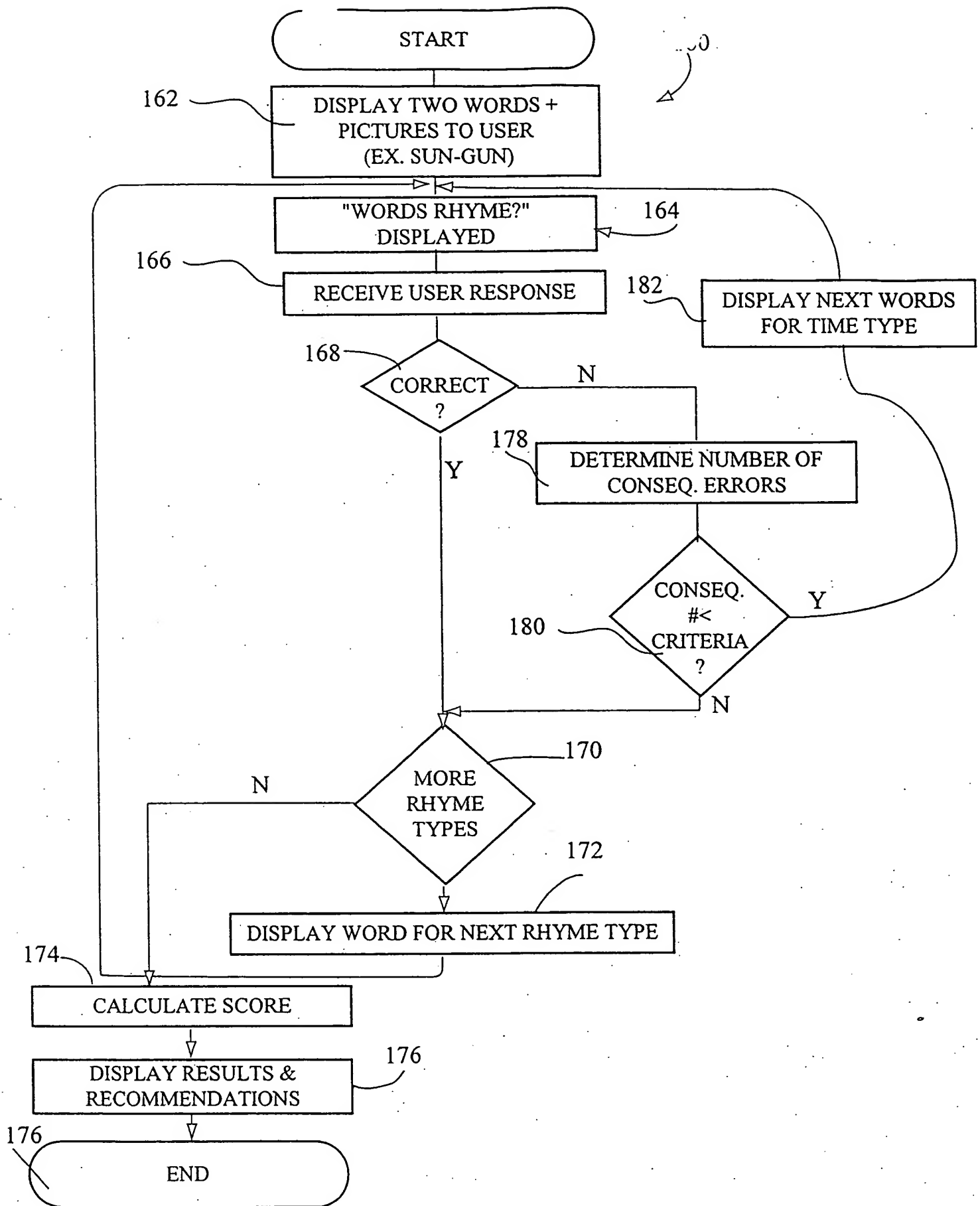
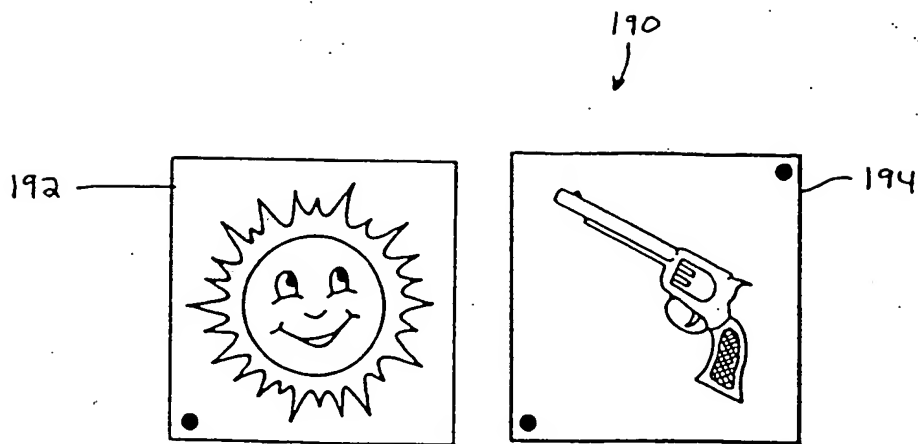


Figure 5



WORDS RHYME? } 196

198 — YES — NO — 200

Figure 6

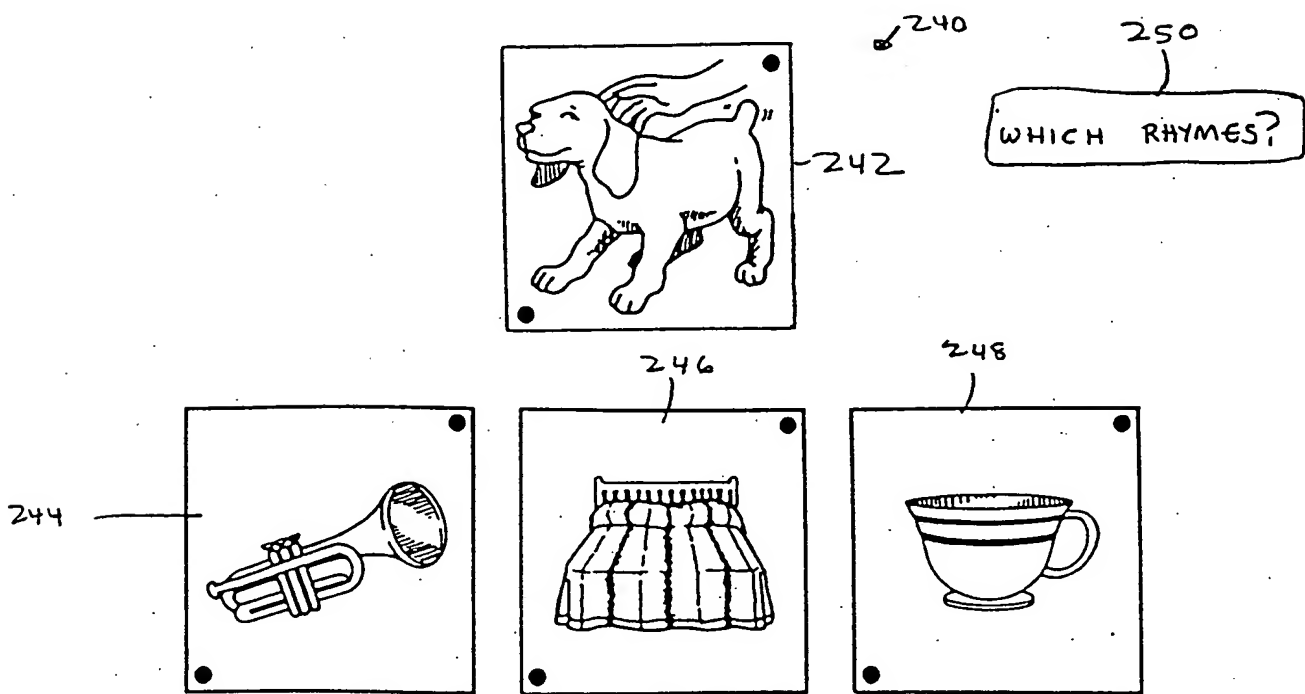


Figure 8

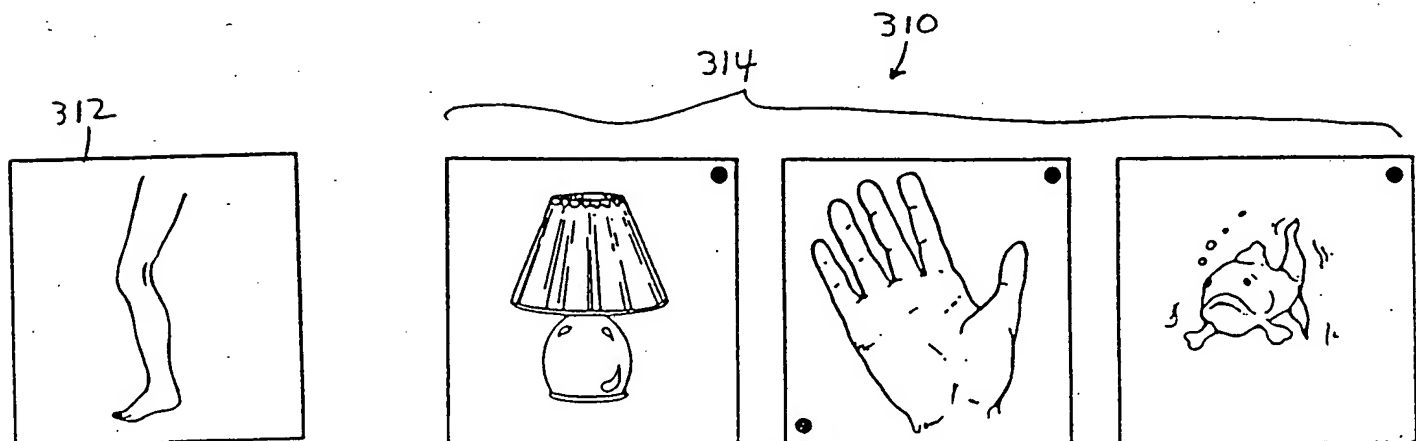


FIGURE 10

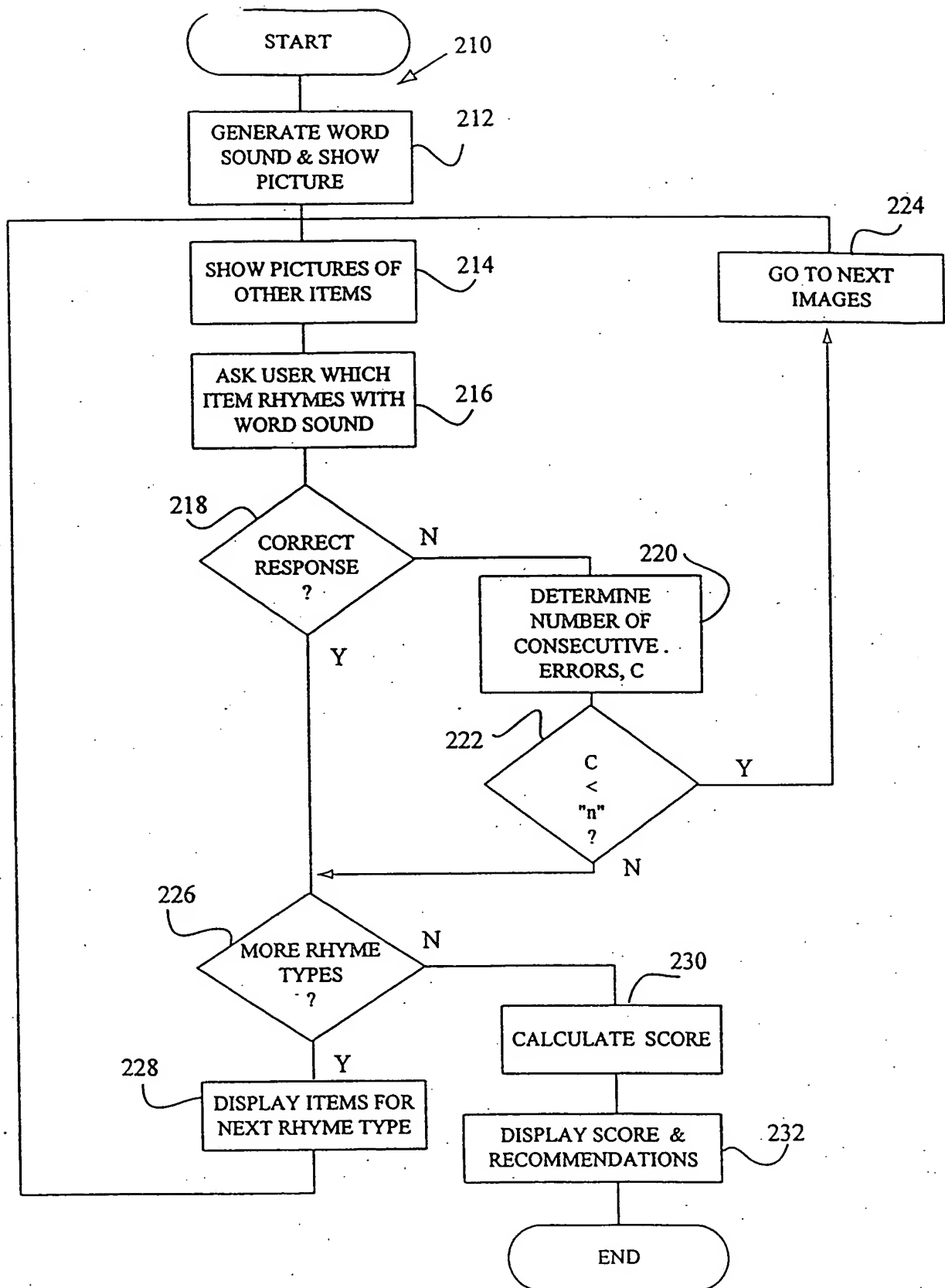


Figure 7

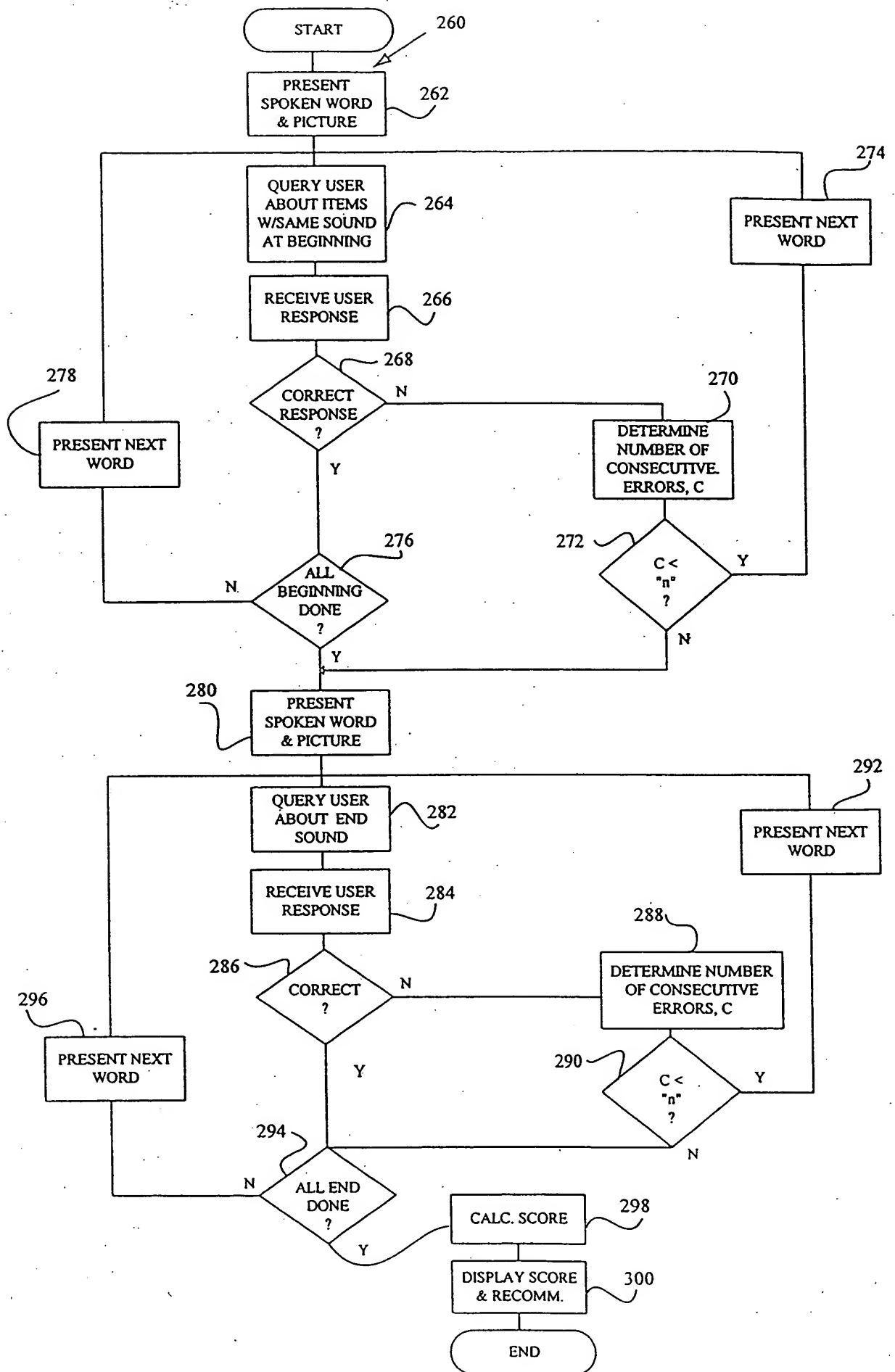


Figure 9

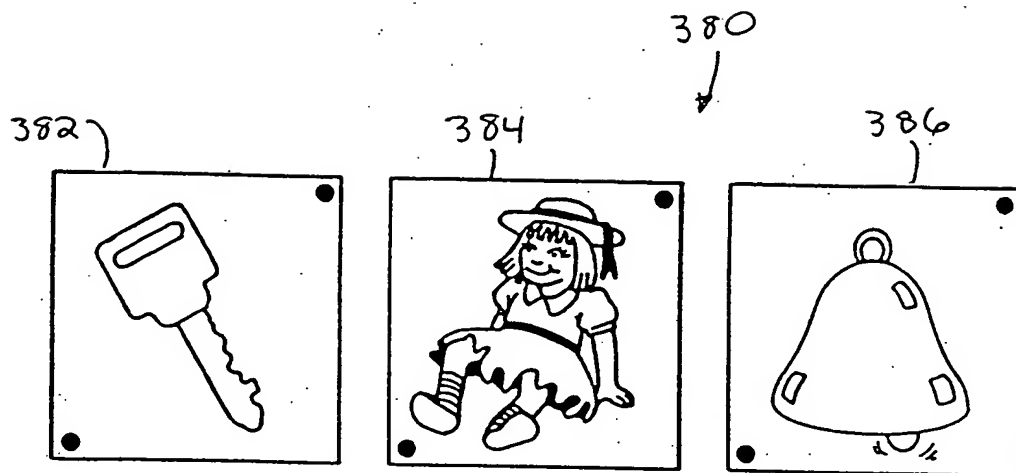


Figure 12

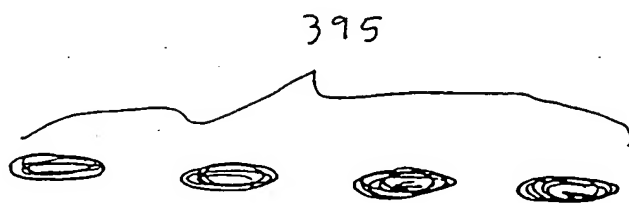


Figure 14

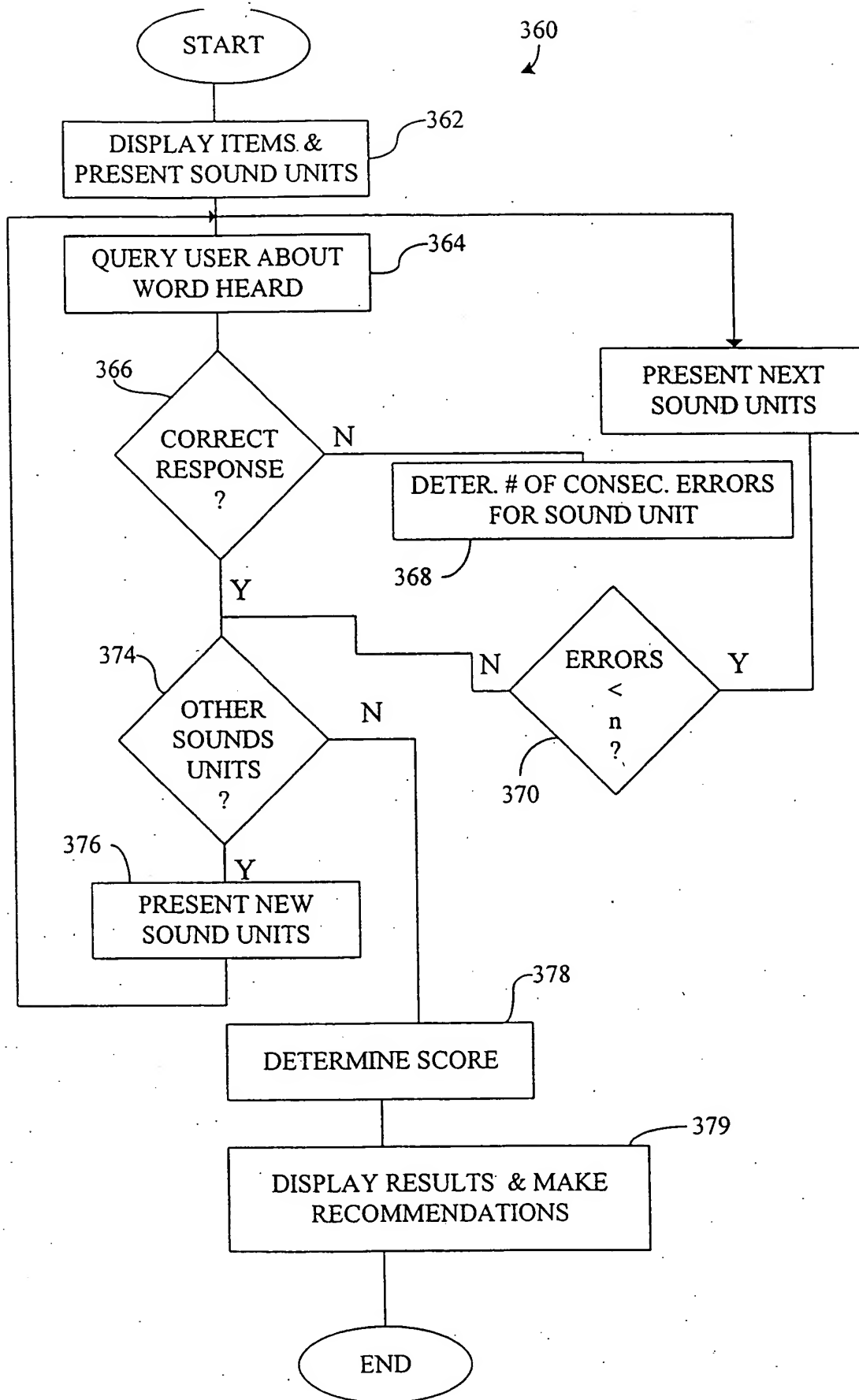


Figure 11

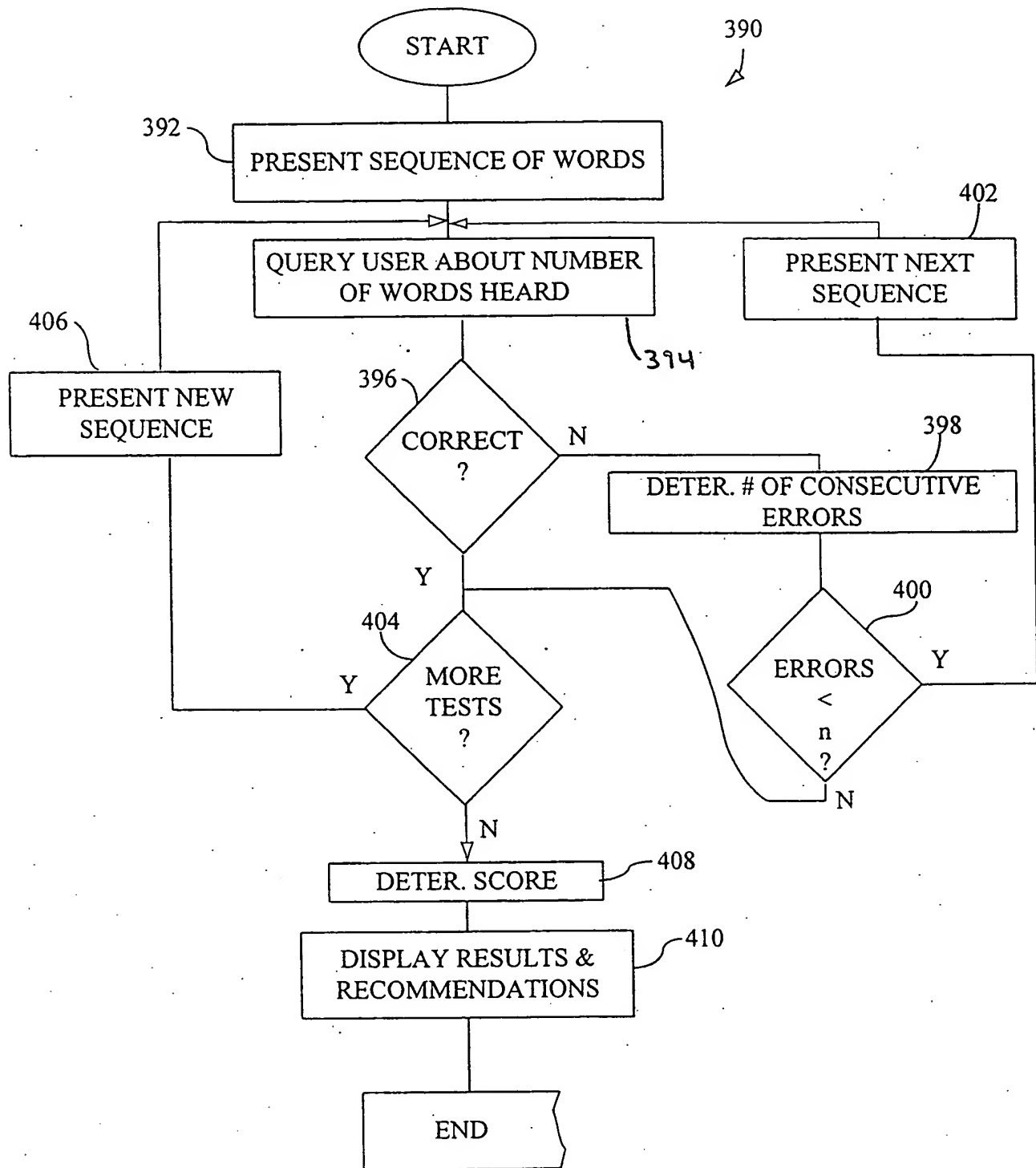


Figure 13



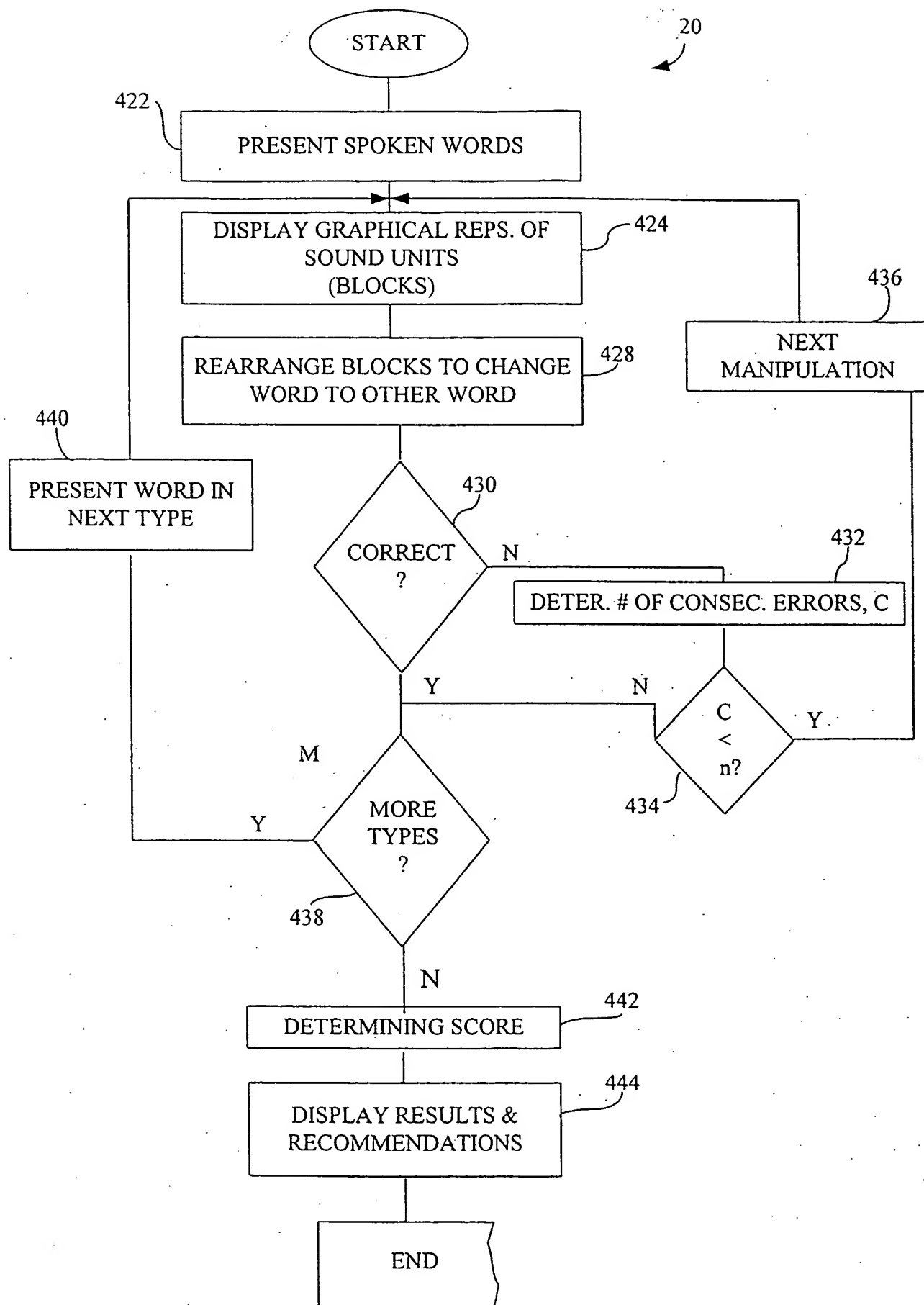


Figure 15

Prompt: 421



Blocks Available:



Response:

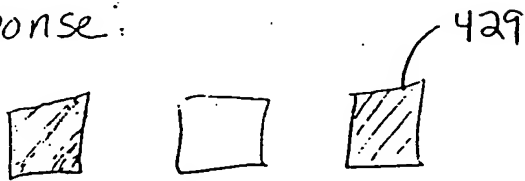


Figure 16

1	6	2
4		9
5	8	3

Figure 18

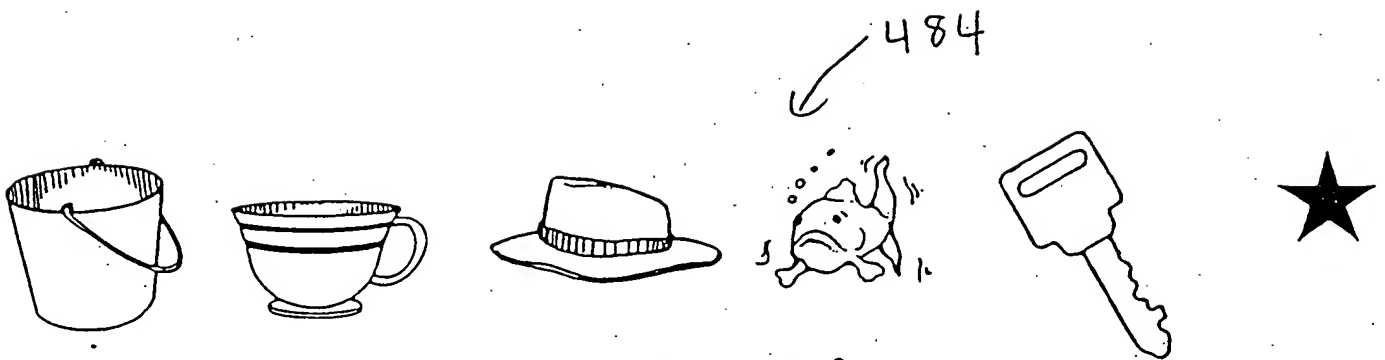


Figure 20

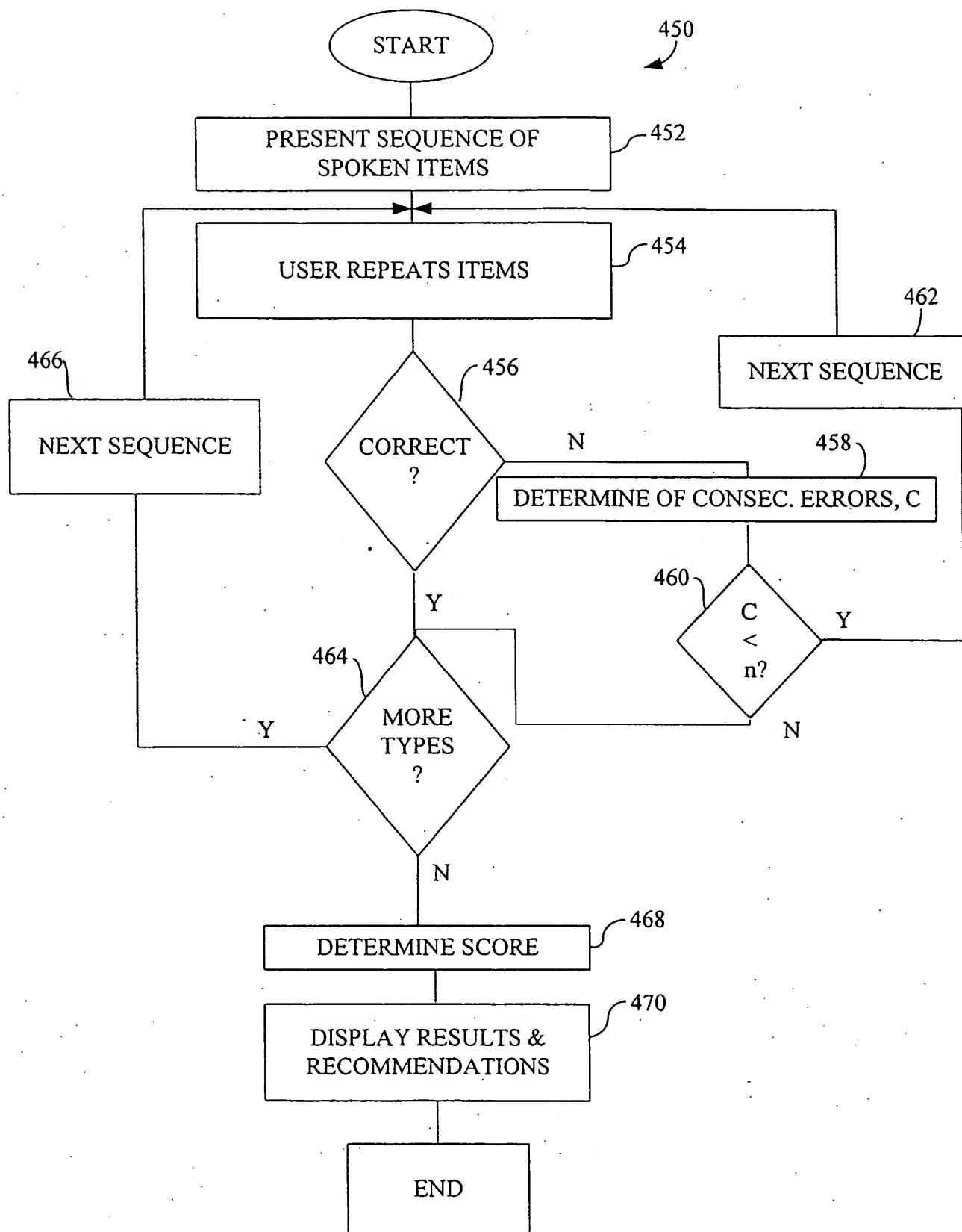


Figure 17

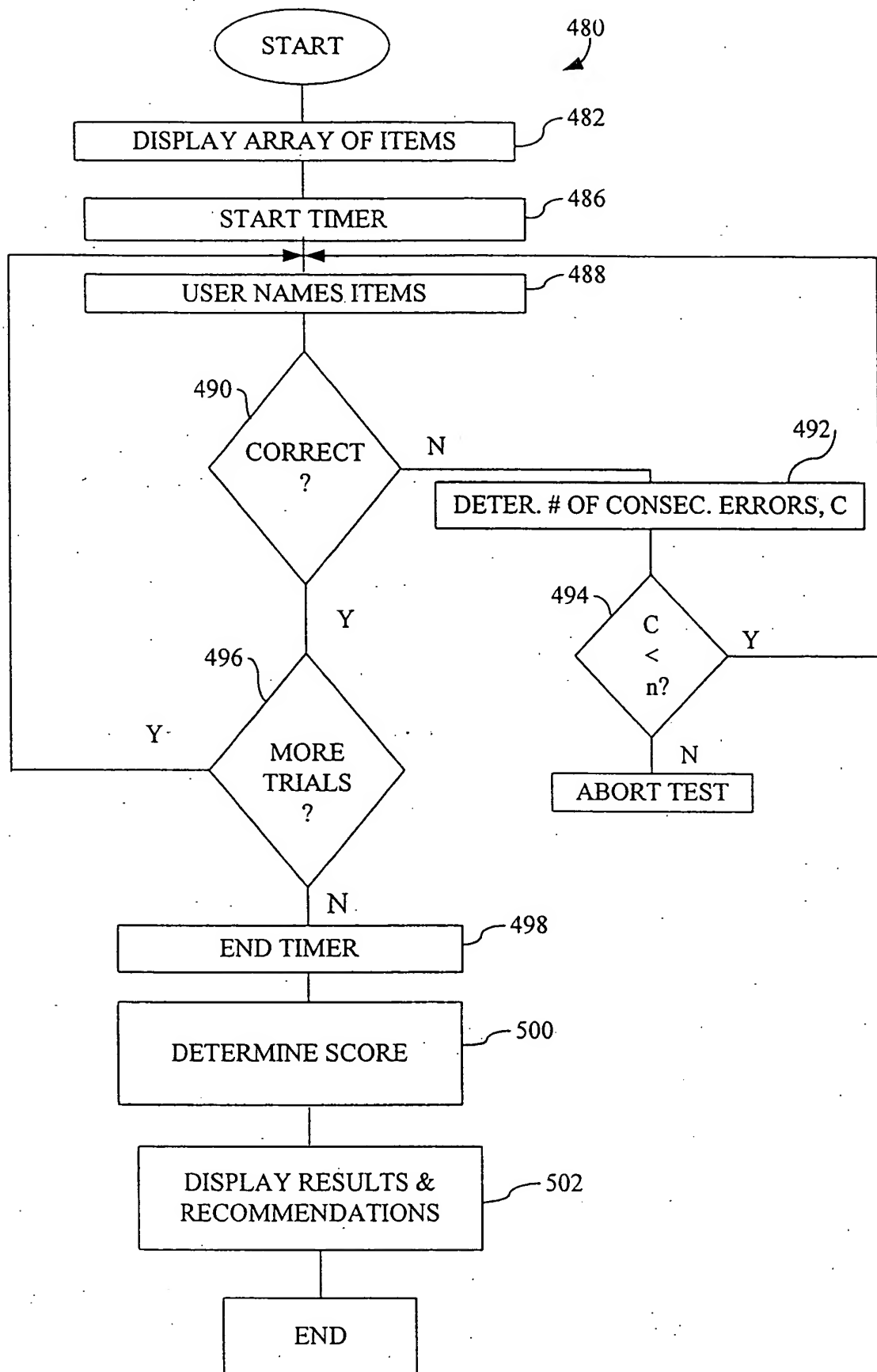


Figure 19

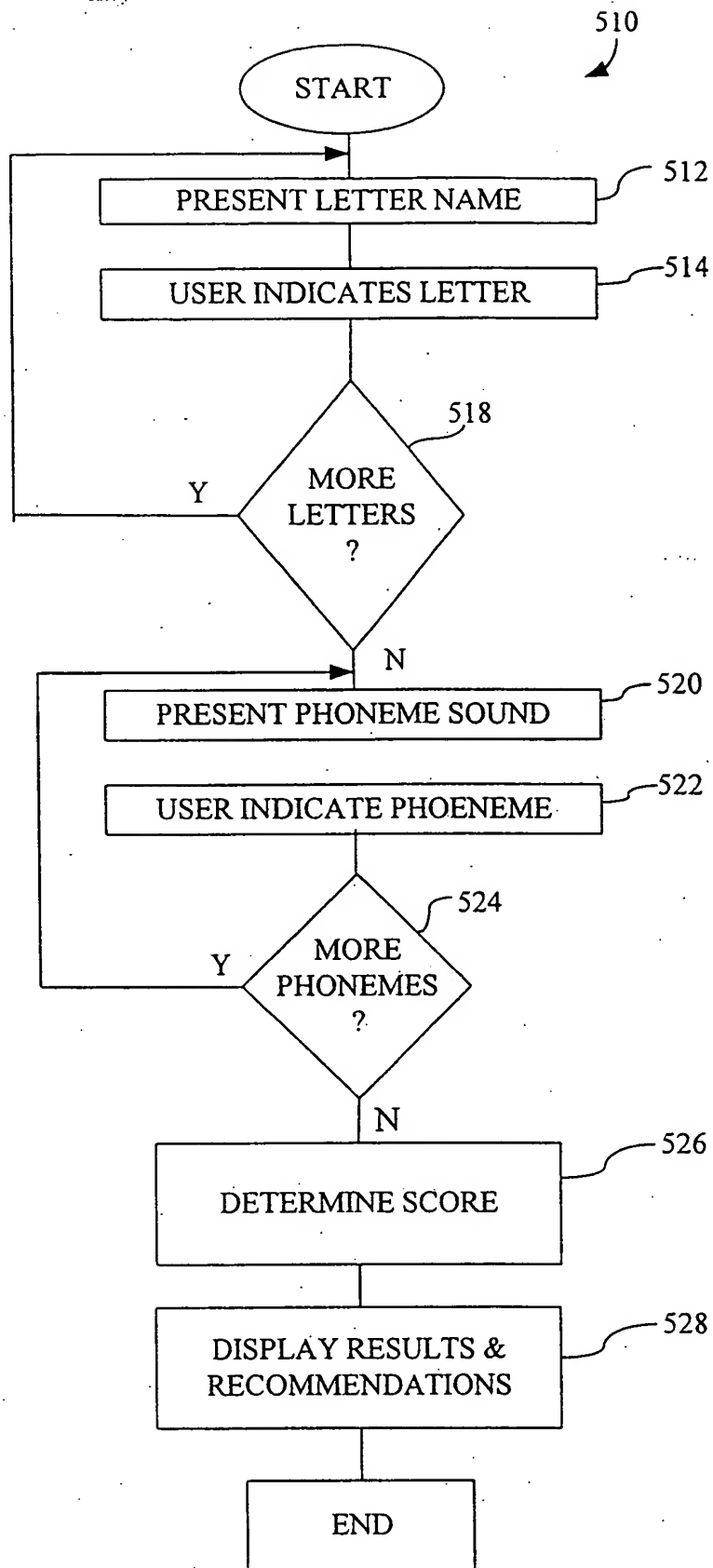


Figure 21

A	B	C	D	E	F		
G	H	I	J	K	L		
M	N	O	P	Q	R		
S	T	U	V	W	X	Y	Z

516 ↙

Figure 22

taf	cag	dop	mib
-----	-----	-----	-----

533 ↙

Figure 24

Does a dog have four legs? ] 564

YES	NO
-----	----

566

Figure 26

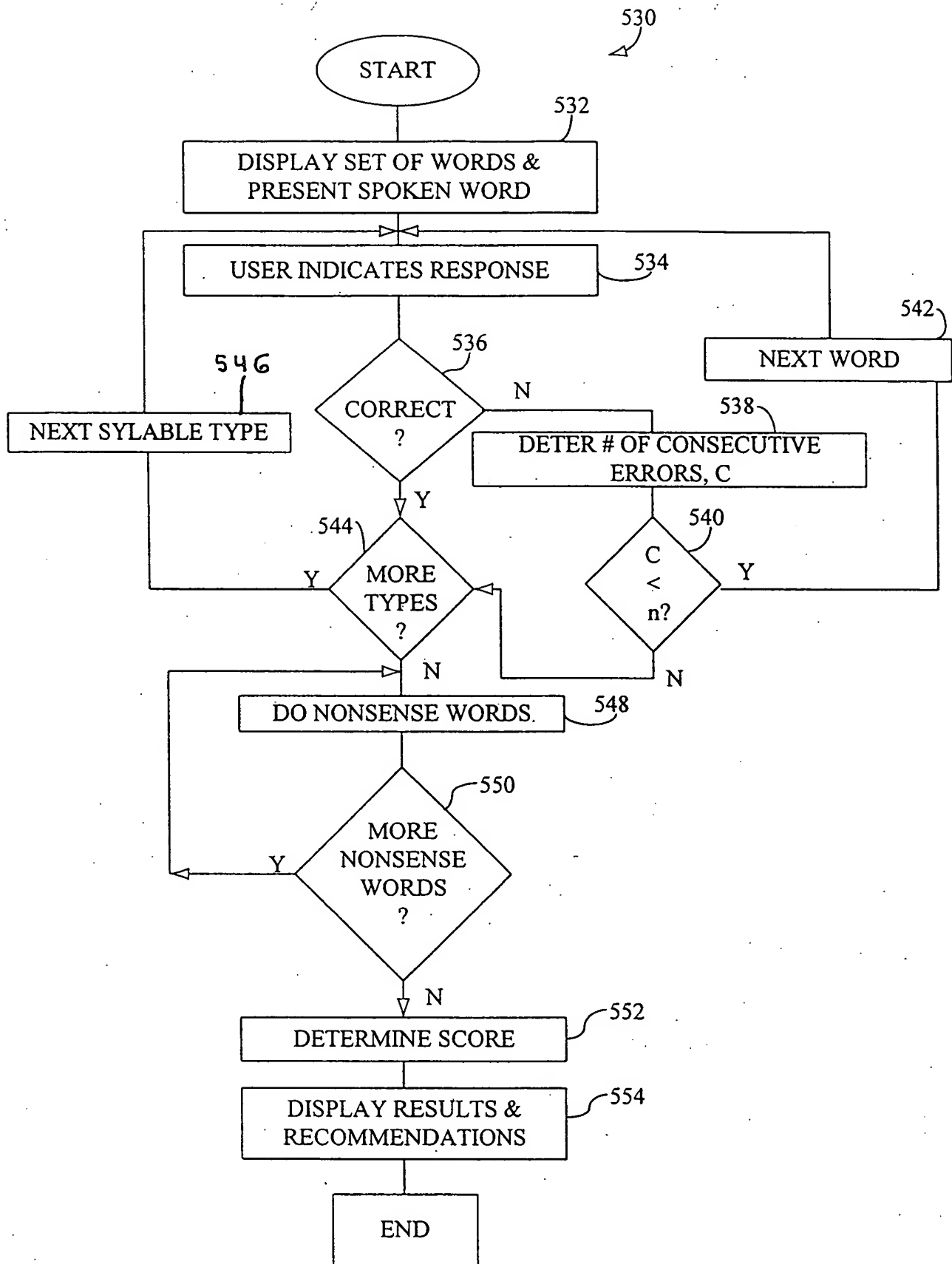
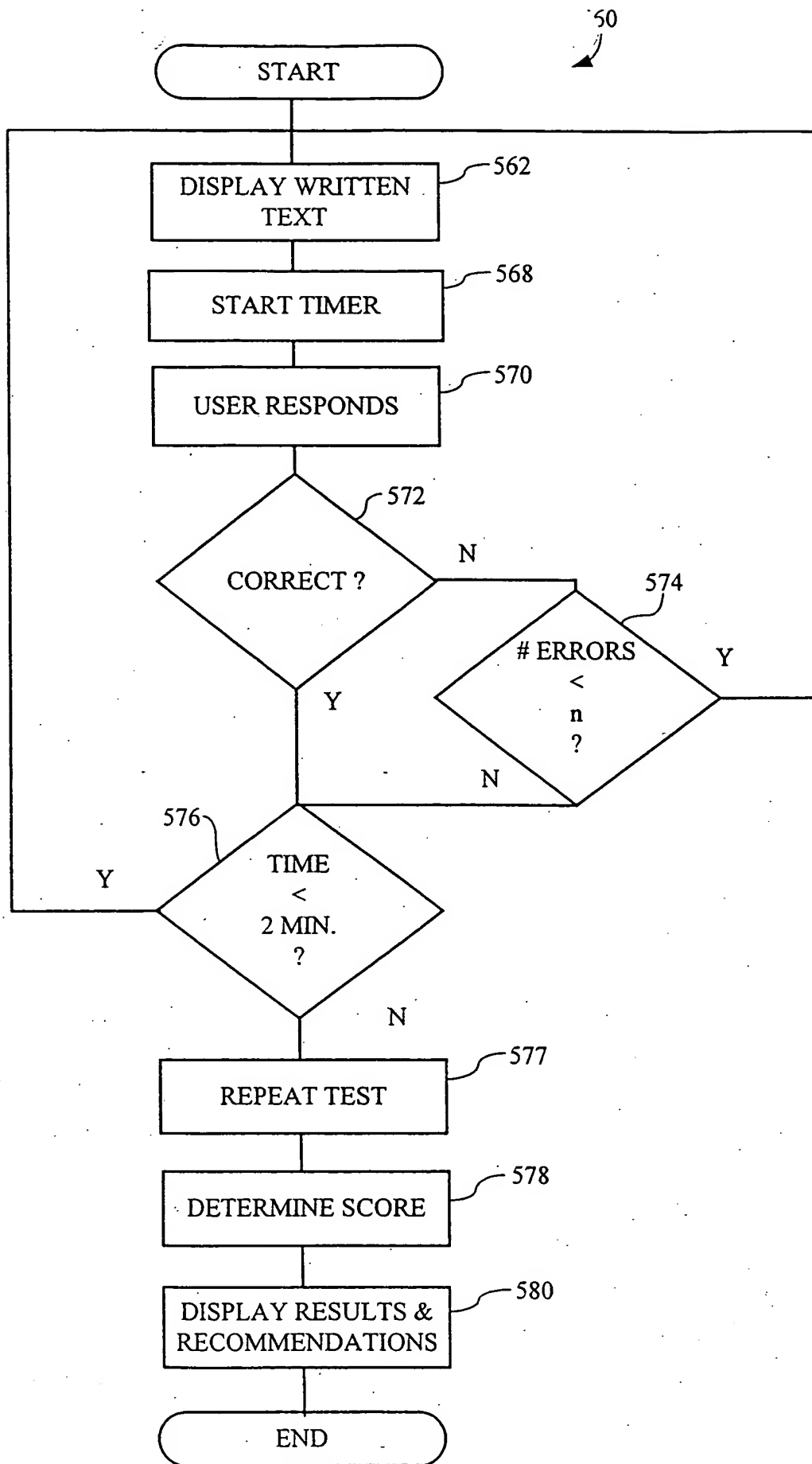
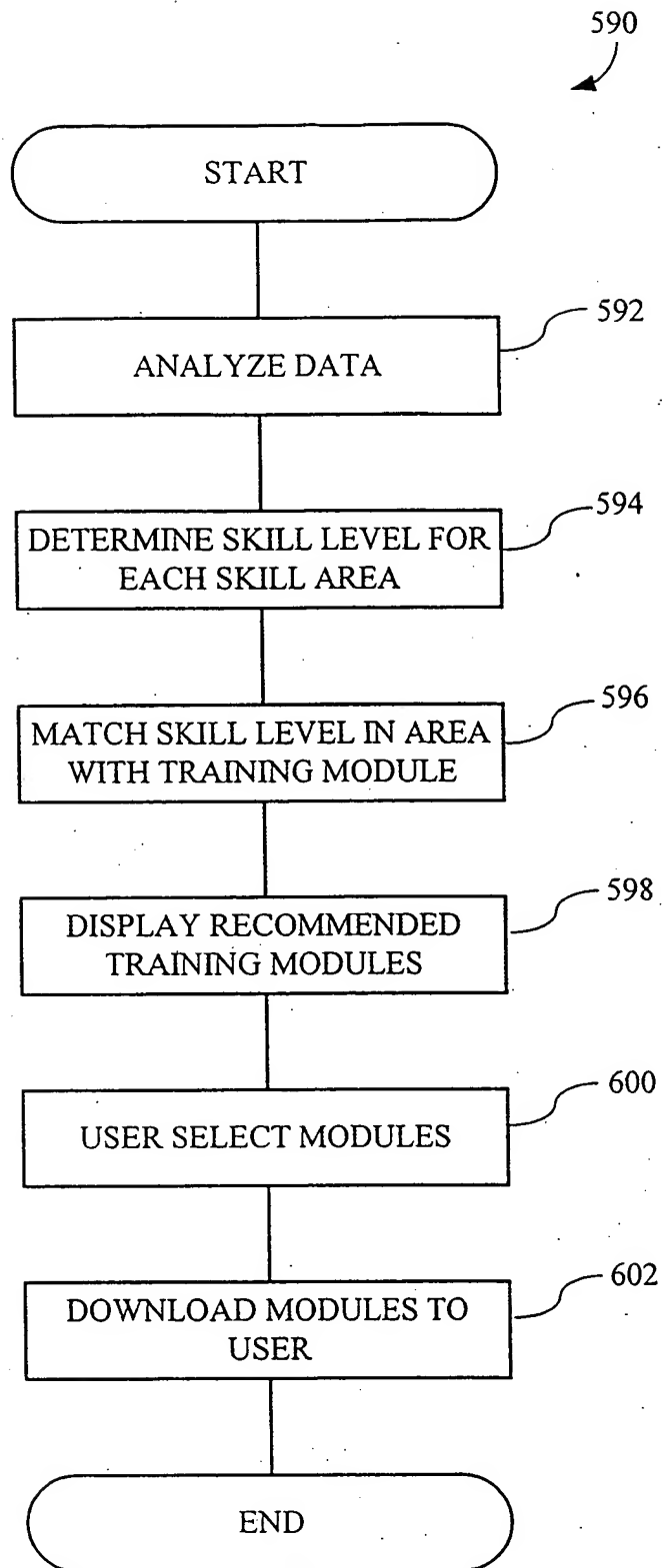


Figure 23



**Figure 25**





**Figure 27**

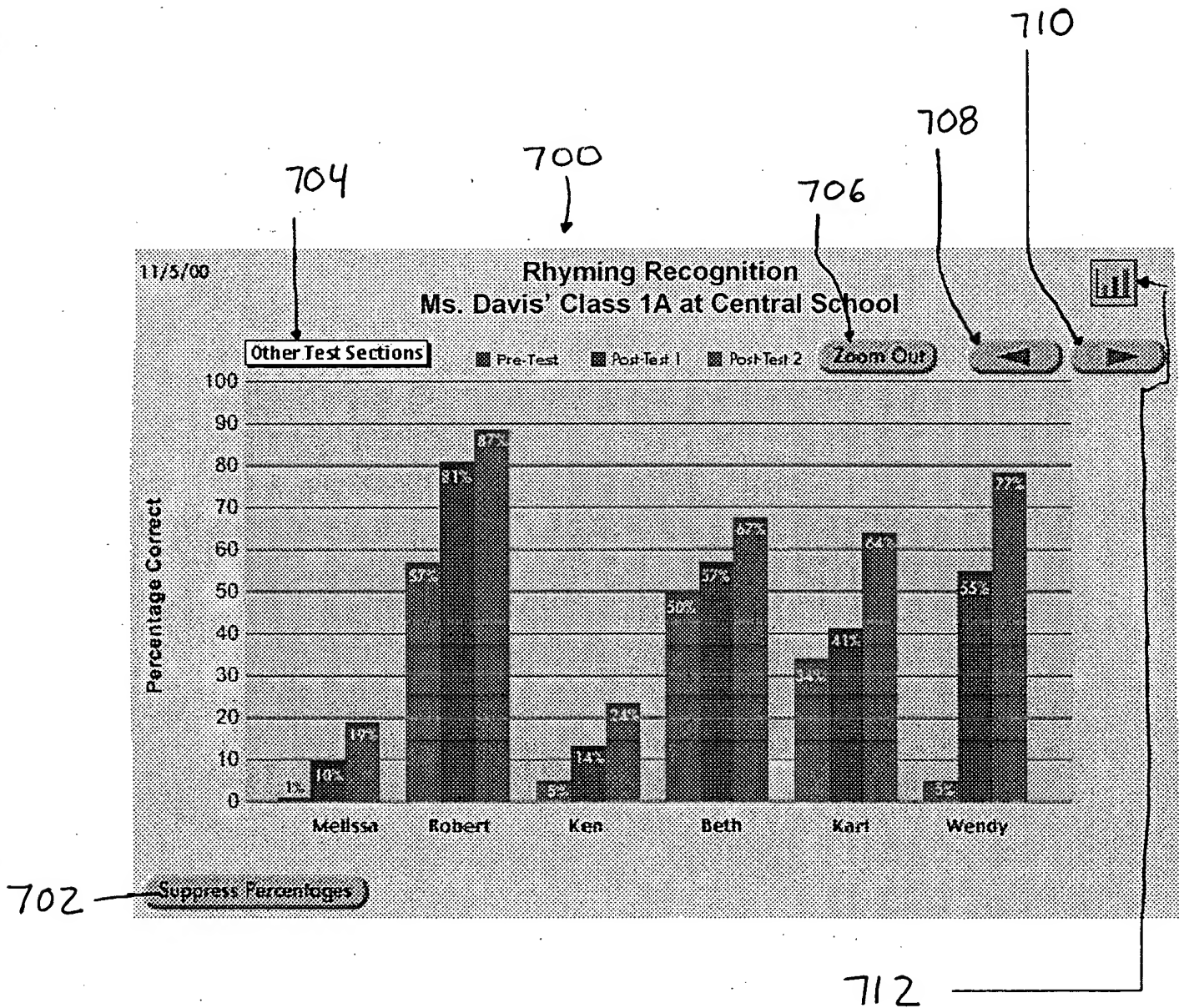
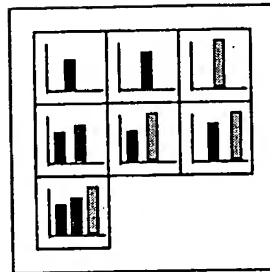


Figure 28

Rhyme Recognition
Rhyme Generation
Beginning and Ending Sounds
Blending
Segmenting
Manipulating
Recalling in Sequential Order
Rapid Naming
Letter Names and Sound
Decoding
Fluent Reading

740

Figure 29



750

Figure 30